

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,213,479 B2
APPLICATION NO. : 10/785130
DATED : May 8, 2007
INVENTOR(S) : Mitsui

Page 1 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 2:

- Line 20, change "ups-and-downs" to -- up-and-down --.
- Line 25, change "ups-and-downs" to -- up-and-down --.
- Line 35, change "A vibration proof" to --A vibration-proof--.
- Line 55, change "constant K_1 and K_2 are" to --constants K_1 and K_2 are--.
- Line 56, change "a negligibly small values" to --negligibly small values--.

Column 4:

- Line 2, change "the second the vibratory" to --the second vibratory--.

Column 5:

- Lines 23-24, change "vibration proof rubber" to --vibration-proof rubber--.
- Lines 24-25, change "such as an hydraulic" to --such as a hydraulic--.
- Line 30, change "Each of bearings" to --Each of the bearings--.
- Line 37, change "such as an hydraulic" to --such as a hydraulic--.

Column 6:

- Line 39, change "one of shoulders" to --one of the shoulders--.
- Line 40, change "20 eccentric weight" to --eccentric weight--.
- Line 41, change "anti-clockwise" to --anticlockwise--.
- Line 51, change "one of fixed" to --one of the fixed--.

Column 7:

- Line 10, change "at opposing-ends across" to --at opposing ends across--.
- Line 13, change "one of shoulders" to --one of the shoulders--.
- Line 67, change "anti-clockwise" to --anticlockwise--.

Column 8:

- Line 3, change "one of shoulders" to --one of the shoulders--.
- Line 5, change "the center of the gravity" to --the center of gravity--.
- Line 10, change "anti-clockwise" to --anticlockwise--.
- Line 13, change "the other of shoulders" to --the other of the shoulders--.
- Line 21, change "anti-clockwise" to --anticlockwise--.
- Line 54, change "rotate in anticlockwise" to --rotate anticlockwise--.
- Line 61, change "rotate in anticlockwise" to --rotate anticlockwise--.

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Column 9:

- Line 42, after " $(m_3r_3+m_4r_4)$ " insert a period.
- Line 44, change "lower-side" to --lower side--.
- Line 48, change "**FIG.3A** through **FIG. 3D** illustrates" to --**FIG.3A** through **FIG. 3D** illustrate--.
- Line 59, change "difference of them" to --difference between them--.

Column 10:

- Line 9, change "rotate in clockwise" to --rotate clockwise--.
- Line 12, change "lower-side" to --lower side--.
- Line 28, change "rotate in anticlockwise" to --rotate anticlockwise--.
- Line 31, change "lower-side" to --lower side--.
- Line 64, change "because of following-reasons." to --because of the following reasons. --.

Column 11:

- Line 15, change "the drum weights" to --the drum weight--.
- Line 18, change "ups-and-downs directions" to -- up-and-down directions--.
- Line 25, delete " $\therefore mr(\text{stan-})$ ".
- Line 26, change "dard" to -- $\therefore mr(\text{standard-})$.
- Line 57, change " $(\text{horizontal vibration})/155$ " to -- $(\text{horizontal vibration})/155$ --.
- Line 58, delete "155"; change " $(\text{vibration})=0.31$ " to -- $(\text{vibration})= 0.31$ --.

Column 12:

- Line 67, change "anti-clockwise" to --anticlockwise--.

Column 13:

- Line 23, change "inside-circumference" to --inside circumference--.
- Line 38, change "eccentric moment m_3r_3 " to --eccentric moment m_3r_3 --.
- Line 58, change "numbers of the vibratory shaft" to --numbers of vibratory shafts--.

Column 14:

- Line 5, change "Although there have" to --Although there has--.

Column 15:

- Line 13, change "fixed to first the" to --fixed to the first--.
- Line 17, change "fixed to second the" to --fixed to the second--.

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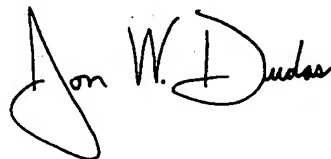
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 16:

Line 14, change "are asymmetrically located" to --are axisymmetrically located--.

Signed and Sealed this

Fourteenth Day of August, 2007

A handwritten signature in black ink, reading "Jon W. Dudas". The signature is stylized, with a large loop for the "J" and a cursive "Dudas".

JON W. DUDAS
Director of the United States Patent and Trademark Office